

**Amendments to the Specification:**

*Please amend page 4, lines 9-19 as follows:*

**Summary of the Invention**

In one aspect of the invention there is provided ~~a method for the detection of~~ an assay for determining ~~the level~~ amount of prostacyclin in a plasma sample comprising:

(1) providing a plasma sample on a surface coated with an anti-immunoglobulin antibody;

(2) incubating the plasma sample with an effective amount of an anti-6-keto-PGF<sub>1α</sub> primary antibody, a secondary anti-6-keto-PGF<sub>1α</sub> antibody and 6-keto-PGF<sub>1α</sub> -aequorin conjugate;

[[ (2) ]] (3) removing any unbound primary antibody and 6-keto-PGF<sub>1α</sub> -aequorin conjugate ~~from the plasma sample~~ following incubation; and

[[ (3) ]] (4) measuring and correlating light intensity of the plasma sample with amount of prostacyclin within the plasma sample.